Production Engineering - Medical Equipment Division

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Cryostats, Microtomes, Macrotomes and Histology

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Digital microtome cryostat - $7,500

List: $23,651. MedCon: G. Triangle Biomedical Sciences Minotome Plus cryostat. 115 V, 60 Hz. In very good operational condition except for bent drive shaft at the rotary handle (see photo below). The rotary handle still turns smoothly but the operator will perceive a wobble in its motion. The shaft within the chamber appears to track true.

Features:

- refrigerates to -30°C
- motorized specimen advance/retract
- Minot rotary microtome
- knife holder and blade, accepts 120 mm knife or disposable blades
- anti-roll plate
- orientation ball assembly
- section thickness, 2 to 42 um in 2 um increments
- control panel displays temperature at knifes edge or quick freeze plate
- fluorescent chamber light
- anti-fog viewing window
- defrost cycle, manual or clock-set

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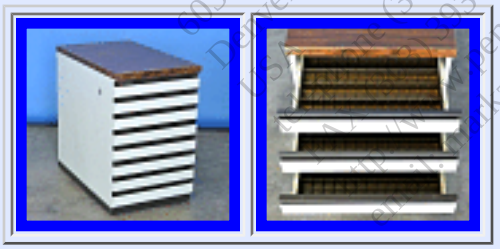
- 13-place quick freeze plate for specimen plates, cools to -40°C
- concentric circles and crosshatch specimen plates included
- sturdy casing with front lock casters
- drain and hose
- Operation Manual and Service Manual included
- We can replace the bent shaft and handle for an additional $2,000, it won't work any better but will look nicer

Overall dimensions of the unit:

- width: 25.5 in.
- depth: 27
- height: 45

Shipping weight is about 270 pounds.

Specimen cabinet - $975



List: $2,170. MedCon: VG. Multiplex specimen cabinet. Appears to be for storage of wax blocks or other similarly-sized pathology specimens.

Features:

- eight drawers
- each drawer has a removable plastic insert with a 13 x 9 array of slots (1 x 2&1/8 inches)

Overall dimensions of the unit:

- width: 18.5 in.
- depth: 30.25
- height: 29

Shipping weight is about 170 pounds.

Cryostat microtome - $2,750

List: $11,200. MedCon: G. Lipshaw model 1500-MC Microtome cryostat. 115 V, 60 Hz. Good operating condition except for inaccurate temperature reading. Chamber temperature is 10°C less than the display, so refrigeration is actually working better than what display indicates

Features:

- blade and blade holder
- rotary microtome handle on right side of cabinet
- digital display of set and cabinet temperature
- numerical keypad for entering set temperature and defrost times
- freeze bar
- back bumper
- 5.5 foot power cord with hospital great plug

Overall dimensions of the unit:

- width: 26 in.
- depth: 32.5
- height: 46.5

Shipping weight is about 320 pounds.

Motorized microtome - $3,500

List: $11,200. MedCon: INC. Leica RM2155 motorized microtome. 100/120/230/240 V, 50-60 Hz. Unit is missing blade and holder and part of front molding. Also needs either a footswitch or hand control to activate motor. Manual rotary movement works.

Features:

- motorized action with single slice and continuous modes; also manual operation
- dials for cutting speed and slice distance on operator's left side
- adjustable trim size
- front control panel has indicator lights for active functions and shows digital value of cut or trim size
- chuck holder
- back of the unit has a nine pin connector for foot switch
- emergency stop button
- vinyl storage cover

Overall dimensions of the unit:

- width: 21 in.
- depth: 19
- height: 12

Shipping weight is about 90 pounds.

Paraffin bath - $275

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List: $550. MedCon: VG. Lipshaw electric paraffin warmer.

Features:

- 4.5 inch diameter x 2 inch high chamber
- cool grip handle
- power on/off toggle on back side with red indicator light in front
- 3-foot power cord with hospital grade plug
- three bricks of paraffin included

Shipping weight is about 5 pounds.

Slide label printer - $275

List: $600. MedCon: N. Ventana EbarII slide label printer. 24VDC power source operating from100-240 V, 50-60 Hz.

Overall dimensions of the printer:

- width: 8.25 in.
- depth: 12.5
- height: 7.5

Overall dimensions of the shipping box:

- width: 20.25 in.
- depth: 12.25
- height: 12.5

Shipping weight is about 30 pounds.

Tissue flotation bath - $875

List: $2,300. MedCon: VG. Triangle Biomedical Sciences (TBS) model FWS-120 flotation workstation.

100-120 V, 50/60 Hz.

Features:

- 9 x 9 inch bath chamber
- chamber molding has cutouts on right and left sides for easy access to capture floating sections on slides
- small warming plates on top of console
- front light illuminates bath

Overall dimensions of the unit:

- width: 11.5 in.
- depth: 17.75
- height: 7

Shipping weight is about 10 pounds.

Microtome - $2,475

List: $3,900. MedCon: VG. Leica 2020 microtome.

Features:

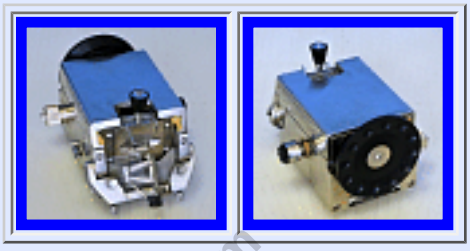
- 100 mm blade, rated as good but not excellent condition
- anti-roll bar

Overall dimensions of the unit:

- width: 9.5 in.
- depth: 12.5
- height: 8

Shipping weight is about 35 pounds.

Microtome - $1,475



List: $3,200. MedCon: VG. Ames model 4551 Microtome.

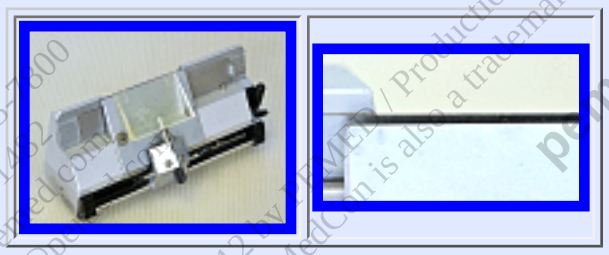
Features:

Overall dimensions of the unit:

- width: 9.5 in.
- depth: 7
- height: 5.5

Shipping weight is about 25 pounds.

Microtome blade and holder - $750



MedCon: VG. Reichert-Jung blade holder assembly with blade and anti-roll bar. 160 mm blade operating in a 70 mm cutting window on the holder.

Shipping weight is about 2 pounds.

Microtome blade - $475

MedCon: VG. Hacker Instruments microtome blade, 170 mm with case.

Overall dimensions of the case:

- width: 8.25 in.
- depth: 1.75
- height: 2.25

Shipping weight is about 1 pounds.

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Microtome blade holder - $275

List: $633. MedCon: VG. Microtome blade holder, appears to be American Optical part.

Overall dimensions:

- width: 5.5 in.
- depth: 3.5
- height: 4.75

Shipping weight is about 2 pounds.

Slide processing system - $7,500

List: $56,300. MedCon: VG. Dako Autostainer. Complete system, excluding slide racks. 110-120 V, 60 Hz., 220-240 V, 50 Hz.

Features:

- processor with robotic arm for staining and immunohistochemistry procedures on slides with embedded tissue, frozen sections, cytospins, cell smears and needle aspirates
- processes four slide racks of 1 to 12 slides each
- 64 reagent capacity
- dispense volume, 100, 150, 200, 400 and 600 ul
- water and buffer inlets and hazardous and non hazardous waste outlets
- IBM ThinkCentre computer (MT-M 8215-A1U) with floppy and compact disc drives, keyboard and mouse
- Windows Xp operating system
- DakoCytomation software
- Dako Autostainer handbook (pdf version loaded on computer)
- IBM 15- inch diagonal color monitor, model 9205-AB2
- Zebra Technologies Corp. TLp2844 slide label printer
- tubing and reagent carboy caps included
- 2006 manufacture

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file:///C|/web/lab/cryomicr/watermark.htm (1 of 2)1/4/2012 8:50:44 AM

Overall dimensions of the unit:

- width: 47 in.
- depth: 27
- height: 23.25

Shipping weight is about 140 pounds.

Fume hood - $1,675

List: $4,100. MedCon: VG. Shandon Hyperclean fume control workstation, model 9990649. 115 V, 60 Hz.

Features:

- acrylic enclosure with 7.5 inch access (14.25 inches when hinged lid is up)
- acrylic enclosure can be removed and used as a stand alone shield/containment device for other purposes
- uses vapor filter P/N 9990610
- on/off switch for air filtering
- 6-foot power cord with hospital grade plug

Overall dimensions of the unit:

- width: 31 in.
- depth: 14.25
- height: 14.5

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Shipping weight is about 45 pounds.

Cell washer - $1,475

List: $11,065. MedCon: VG. Helmer Ultra CW cell-washing centrifuge. 100-127 V, 60 Hz.

Features:

- Version 4.12
- two rotors included
  - Helmer 450002-B, 24-place, 3,500 rpm
  - Helmer 450001-B, 12-place, 3,500 rpm
- four program sets, each adjustable for
  - # cycles/wash
  - saline volume
  - wash rpm
  - T wash time
  - spin rpm
  - T spin
- LCD window shows program, cycle, volume, rpm and time
- green indicator lights for run and lid
- spin, start and stop touch buttons
- saline delivery tube
- tachometer port
- power on/off rocker switch on right side of centrifuge
- universal power cord
- minor crack in casing
- 2005 manufacture

Overall dimensions of the unit:

- width: 13.25 in.

- depth: 15.5
- height: 11

Shipping weight is about 55 pounds.

Digital cryostat - $5,750

List: $18,900. MedCon: VG. Leitz MGW Lauda 1720 Digital Kryostat. 230 V, 60 Hz.

Features:

- Leitz microtome with sectioning thickness of 1 to 25 microns, set dial on front of instrument
- right side advance handle
- double knife clamp
- cooling tray with three freezing blocks
- separate freeze point cooling for block holder
- digital temperature display toggles between block, knife and tray, each of which are individually instrumented
- lighted interior on/off rocker switch
- 24 hour timer for defrost cycle

The photos show the lighted chamber interior with the block cooled to -22. The knife cooled to -19 and the tray to -15 within 5 hours in our test. A 24 hour timer on the side of the instrument allows for setting a defrost cycle.

Overall dimensions of the unit:

- width: 34.5 in.
- depth: 37.5
- height: 42

Shipping weight is about 500 pounds.

Slide processor - $7,500

List: $28,900. MedCon: VG. Vysis model VP2000 slide processor. Deparaffinization and slide staining station with specialized pretreatment protocols for FISH. Shipped with new drive belt.

Features:

- 50 slide capacity/run
- pre-programmed protocols (pretreatment steps) for
  - paraffin embedded
  - uncultured amniocytes
  - bone marrow
  - metaphase preps
- 3 heated and 12 ambient temperature basins
- drying station operates at 25-80°C
- water in and drain lines
- Software version 1.0, PC not included
- User's Guide
- interface cable

	drying station, water bath and basins 1-3; robotic arm visible at top right
	basins 4-15, stainless steel cover removed
	side view showing transparent safety hoods in closed positions, manufacturers plate, I/O panel and reagent basin carrier slot
	User Guide, software disc, and interface cable

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sample page from User Guide showing processor schematic

Overall dimensions of the unit:

- width: 32 in.
- depth: 24
- height: 21.75

Shipping weight is about 127 pounds.

Tissue flotation bath - $575

List: $1,420. MedCon: G. Lab-Line Tissue Path model 265-176 flotation bath. 120 V, 50/60 Hz. There is some loss of the painted finish on the top surface and bath chamber bottom; application of black spray paint would restore its usefulness as a dark field.

Features:

- 11 x 7 x 1.5 inch Pyrex dish fits 11.5 x 7.5 by 1.5 inch bath chamber
- front-side fluorescent light illuminates bath
- temperature control dial
- heats to 54°C with water-filled dish in place
- swivel-in thermometer with digital display
- recorder jack
- 6.5 foot power cord with grounded plug

Overall dimensions of the unit:

- width: 15 in.
- depth: 16.25
- height: 4.5

Shipping weight is about 15 pounds.

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Tissue flotation bath - $475

List: $1,255.

MedCon: ex. Tissue prep flotation bath model 135.

Features:

- adjustable temperature
- on off power switch
- C. indicator light
- built in illumination lamp with switch
- removable Plexiglas tray

Bath working dimensions:

- length: 11
- width: 8
- height: 1.75

Shipping weight is about 20 pounds

Cryostat - $2,475

List: $145,700. MedCon: G. IEC CTF microtome cryostat. 115 V, 60 Hz.

Features:

- temperature selector knob; actual temperature gauge (red arrow) is damaged and an thermometer may be placed in the chamber instead
- power on/off toggle switch
- indicator lights for power on and defrost cycle
- timer knob
- blade holder included; needs sample chuck
- front-locking castors

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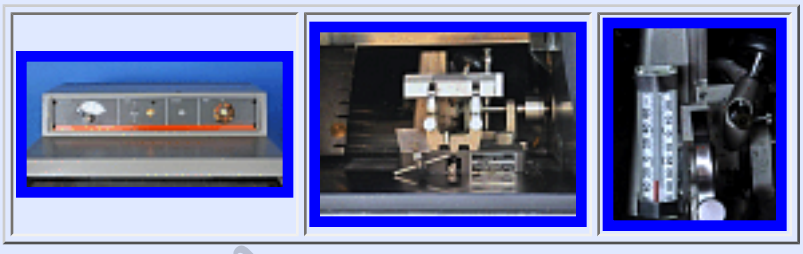

Overall dimensions of the unit:

- width: 28 in.
- depth: 30.5
- height: 47.5

Shipping weight is about 320 pounds.

Microtome controller - $1,750

List: $7,300. MedCon: VG. Reichert model 651104 controller for Ultracut microtome. 110/220/240 V, 50-60 Hz.

Features:

- ultra-thin and semi-thin toggle each with dial-in thickness sets
- adjustable cutting speed
- back of unit has connectors to Ultracut and for counter and remote
- top rack for floatation dish saves benchtop space

Overall dimensions of the unit:

- width: 10.5 in.
- depth: 14.75
- height: 7

Shipping weight is about 18 pounds.

Cryostat / microtome - $2,875

List: $14,200. MedCon: VG. Tissue-Tek II cryostat, model 4553. 115 V, 60 Hz. Knife may be purchased separately from our stock.

Features:

- mounted microtome with hand crank on right side of housing
- ambient to -30 °C cooling/freezing
- auto defrost cycle
- sample freezing rack
- interior light operates when cabinet is open
- 11 foot power cord with hospital grade plug

Overall dimensions of the unit:

- width: 26.5 in.
- depth: 26.5
- height: 47

Shipping weight is about 320 pounds.

Microtome knives - $575 each

List: $1,050. MedCon: VG. Microm and Reichert microtome knives as shown below. All items are free from nicks. Shipped in either a plastic case or cardboard case with wooden support frame inside. The Microm blades have one round securing hole on the side; the Reichert blade has one round hole and a slot on the opposite side.

1. Microm 160 mm
4 units in stock

2. Microm 185 mm
3 units in stock

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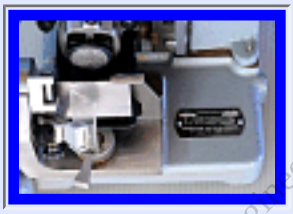
3.			Reichert 185 mm 1 unit in stock

Shipping weight is about 3 pounds each.

Tabletop microtome - $675



List: $2,300. MedCon: VG. American optical model 840 microtome. Unit was removed from a cryo chamber and can be used as a tabletop unit or to replace a microtome in a chamber setup.

Features:

- 4.75 in. (120 mm) knife
- locking stage with knife holder
- adjustable cutting distance, 0-40 micrometers

Overall dimensions of the unit:

- width: 12 in.
- depth: 15
- height: 7.5

Shipping weight is about 75 pounds.

Ultra microtome / microtome - $4,875

List: $21,320. MedCon: VG. LKB model 2128 ultra microtome system/ultrotome. selector for 100/115/120/220/240 V.

Features:

- combination of cutting and feed features is suitable for both wax and plastic embedded samples
- the system consists of a main unit and control unit

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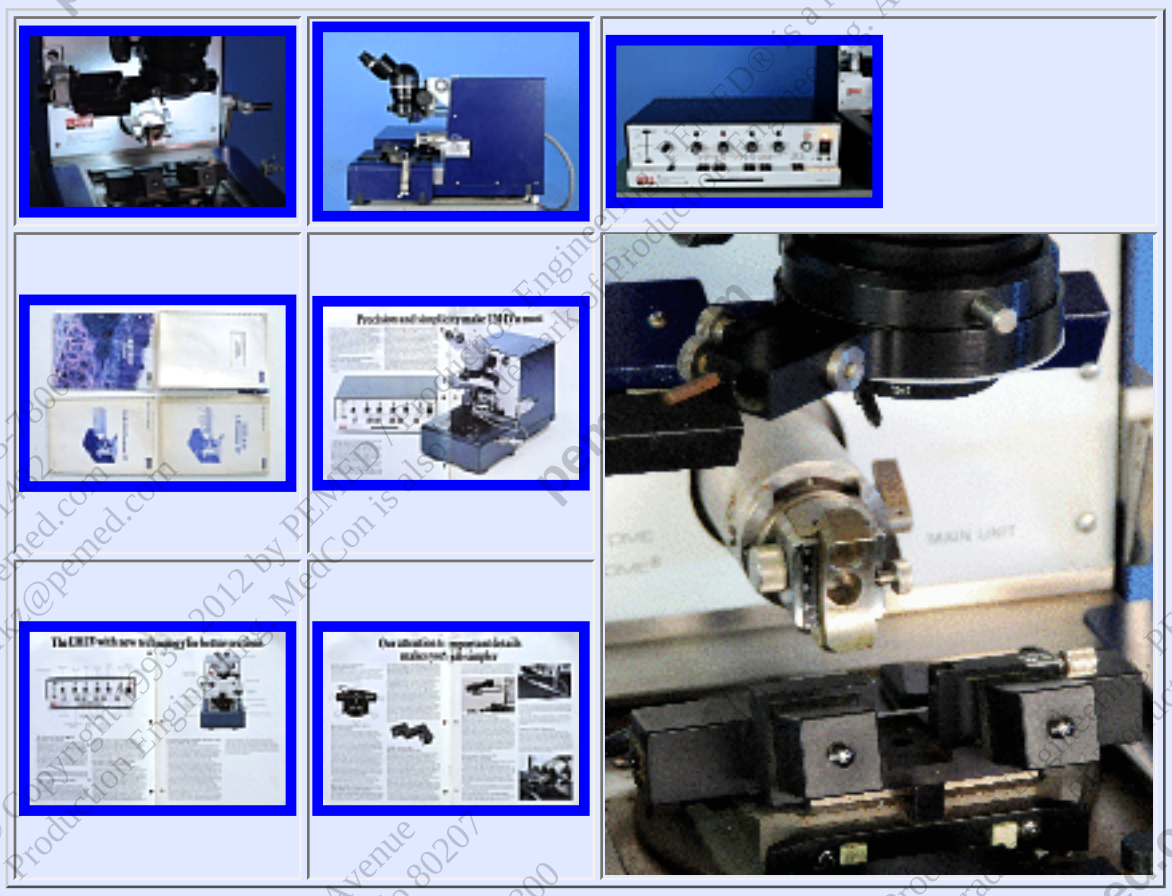
- main unit is equipped with an Olympus microscope head with 20X eyepieces
- LKB orientation head
- auto and manual arm movement
- adjustable arm rest time
- knobs for coarse (0.2 - 2.5 um), fine (0-200 nm) and thermal-controlled advancement
- side handle advances 6-7 um for machine trimming
- cutting range of 5 mm above and below knife edge
- four pairs of alignment buttons and speed bar control for knife positioning
- diffuse and focused light sources



Overall dimensions of the main unit:

- width: 15 in.
- depth: 22.5
- height: 14.5

Overall dimensions of the control unit:

- width: 17.75 in.
- depth: 11.75
- height: 6

Shipping weight is about 300 pounds.

Tissue processor - $6,500

List: $65,000. MedCon: G. Shandon Hypercenter XP tissue processor with control module. 110 V, 50/60 Hz. Heating functions tested okay but control module gave internal system error message.

Features:

- automated fixation, dehydration and paraffin infiltration
- embedding chamber and two paraffin wax baths
- twelve containers for the series of dehydration reagents
- control console has program setup and storage and ability to control 5 hypercenter modules, also printer and alarm functions

Overall dimensions of the unit:

- width: 18 in.
- depth: 24.25
- height: 50

Shipping weight is about 250 pounds.

Tissue processor - $3,275

List: $16,710. MedCon: VG. Shandon Hypercenter XP tissue processor without control module. 110 V, 50/60 Hz.

This unit lacks its own control module but can be run in parallel with another Hypercenter with control

module.

Features:

- automated fixation, dehydration and paraffin infiltration
- embedding chamber and two paraffin wax baths
- twelve containers for the series of dehydration reagents

Overall dimensions of the unit:

- width: 18 in.
- depth: 24.25
- height: 50

Shipping weight is about 250 pounds.

Automated tissue processor - $5,750

List: $27,800. MedCon: VG. Ventana Renaissance tissue processor. 117 V, 50/60 Hz.

Features:

- process up to 350 cassettes
- operator can set time, temperature and pressure for each solvent station and save as programs
- pulse magnetic stirrer for agitation during infiltration
- 9.5 in. diagonal monitor with adjacent flip-down keypad and start up diagram
- 12 plug-in solvent containers
- solvent quality detector protocols
- paraffin cleaning cycle

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other views		
setup screens		

Overall dimensions of the unit:

- width: 21 in.
- depth: 22.5
- height: 53.5

Shipping weight is about 350 pounds.

Histology tissue processor - $2,475

List: $6,500. MedCon: VG. Auto Technicon model ultra two histology tissue processor. for processing of pathology tissue samples prior to thin section.

Features:

- 24 hour timer

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- indicator lights
- vacuum gauge
- set timer
- processed and paraffin thermometers
- 12 stations

Shipping weight is about 125 pounds.

Automated slide stainer - $4,750

List: $18,310. MedCon: EX. Shandon model Cadenza slide staining apparatus. Holds 20 slides at inclined angle behind clear Plexiglas shield. Dispensing station has 16 spaces for reagent source tubes and a plastic reservoir for wash buffer.

Overall dimensions of the unit:

- length: 21.5 in.
- width: 27
- height: 15

Shipping weight is about 105 pounds.

Automated slide stainer - $1,750

List: $9,790 MedCon: G. E M Diagnostic Systems Midas II bath. 108-125/200-240 V, 50-60 Hz. The unit is missing some of the inserts that form the staining and rinse chambers as well as the slide holding rack.

Features:

- five staining/rinsing and one drying (heated airflow) stations
- six user-defined staining sequences can be stored as programs
- mobile arm moves slide racks from station to station and provides up-and-down dipping motion for effective exposure to stains and rinsing
- drain hose and inlets for water supply and to water bath

Overall dimensions of the unit:

- width: 21.25 in.
- depth: 20.5
- height:13.75

Shipping weight is about 60 pounds.

Tissue processor - $2,750

List: $24,375. MedCon: G. Shandon Hyper center 2 tissue processor. 110 V, 50/60

Features:

- 3 bath chambers have glass lids for viewing while sealed
- 12 bottle reagent system can be customized
- key toggles between wax bath A and B modes
- power on switch, stop and restart buttons
- 25-pin connector on back of unit

	reagent system (12 bottle with identification chart)
	processing chambers

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	view of back
	adjustable controls on back

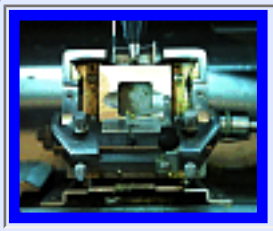
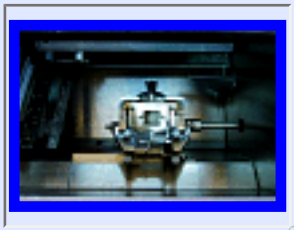
Overall dimensions of the unit:

- width: 18 in.
- depth: 25.5
- height: 40

Shipping weight is about 200 pounds.

Cryostats / microtomes

List: $14,200. MedCon: VG. Miles model 4553 cryostat. 115 V 50/60 Hz. The units shown below are essentially the same model with different branding.

model	MedCon	front view	side view	control panel	microtome	price
Miles/Ames Cryostat II	VG					$2,750
Miles/Tissue-Tek II Cryostat	VG					$2,475

Features:

- ambient to -30 degree C refrigeration; above units all reached -26 to -30 degrees in our tests
- auto defrost cycle
- sample freezing rack
- interior light operates when cabinet is open

Overall dimensions of the unit:

- width: 26 in.
- depth: 26
- height: 47

Shipping weight is about 320 pounds.

Large specimen cryostat - $14,750

List: $86,300. MedCon: VG. Reichert-Jung CryoPolycut. 3x220 V, 60 Hz.

Features:

- refrigerates to -23 degrees (compared to specifications of -35)
- clean interior
- microtome has 160 mm blade in place; holder can accommodate blade up to 220 mm
- the CryoPolycut is suited for large specimens to 235 x 200 mm
- section thickness of 1-275 microns
- variable cutting speeds and knife declinations
- included accessories: operating instructions manual, specimen stages (four ea. 20 x 25 cm and two ea. 20 x 12 cm), transformer, wrench, and two foot controls

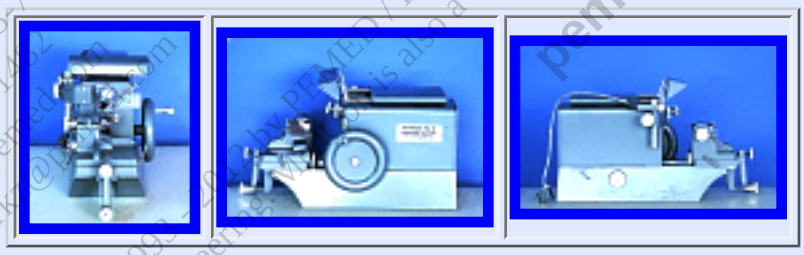
Detailed views of the microtome, controls, and accessories are shown in the photos below.

Overall dimensions of the unit:

- width: 59 in.
- depth: 31
- height: 40.5

Shipping weight is about 600 pounds.

Ultra-microtome - $1,275



List: $4,275. MedCon: VG. Sorvall "Porter-Blum" ultra-microtome MT-1. Has attached light source (cat no. 15400) directed at cutting stage, but the power source for the lamp is not included.

Overall dimensions of the unit:

- width: 11 in.
- depth: 20
- height: 11

Shipping weight is about 55 pounds.

Microtome - $975

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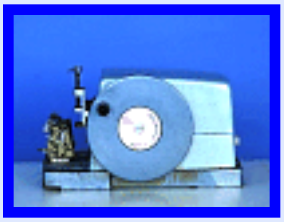
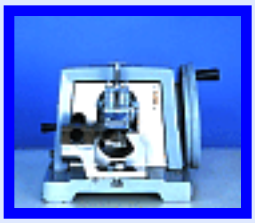


List: $6,080. MedCon: G. American Optical model 820 Spencer microtome.

Blade and sample chuck included. Advance distances of 1-50 microns can be set by knob in back and displays in window on front.

Shipping weight is about 55 pounds.

Microtome - $950



List: $5,920. MedCon: G. American Optical model 820 Spencer microtome.

Advance distances of 1-50 microns can be set by knob in back and displays in window on front.

Alternate style blade holder clamps from one end.

Shipping weight is about 55 pounds.

Microtome - $875

List: $5,620. MedCon: G. American Optical model 840 Spencer microtome.

Blade and sample chuck included.

Shipping weight is about 50 pounds.

Microtome - $750

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List: 5,200. MedCon: G. American Optical model 840 Spencer microtome.

Without blade holder

Shipping weight is about 50 pounds.

Leica microtome - $975

List: $4,000. MedCon: VG. Unidentified model. With blade holder. Smooth wheel motion.

Shipping weight is about 50 pounds.

Microtome - $1,375 each

List: MedCon: VG. Leica model 1512 microtome. All have blade holders in good condition.

	1. best unit; includes sample chuck
	2. without sample chuck
	3. without sample chuck and back casing

3 units in stock.

Shipping weight is about 50 pounds.

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Microtome blade holder - $275

List: $980. MedCon: VG.

Blade holder, holds blades for an IEC Minot microtome.

Shipping weight is about 10 pounds.

Microtome cutting assembly - $575

List: $1,800. MedCon: G. This is the assemblage containing the sample holder and blade holder to be operated within an Ames model 4551 cryostat microtome.

2 units in stock, one of which includes a blade (see photos).

Shipping weight is about 30 pounds each.

Microtome knife sharpener - $575

List: $4725. MedCon: G. American Optical model 935 knife sharpener.115 V, 60 Hz. Has blade holder. Needs honing plate.

Overall dimensions of the unit:

- width: 11 in.
- depth: 16.5
- height: 12

Shipping weight is about 50 pounds.

Automatic slide stainer - $3,275

List: $11,200. MedCon: VG. Shandon Varistain XY. 110V, 60 Hz.

Features:

- Robotic arm moves slide carrier
- 18 staining stations
- 2 water rinse stations
- stores up to twenty custom programs.

The 3-row by 6-place staining stations have anti-evaporation covers but need to be fitted with staining tubs. Interior of unit has some discoloration from spilled dyes, otherwise the unit has a clean and unscratched appearance.

	open view of stainer
	robotic arm & staining stations
	controls on left side
	monitor showing main menu
	monitor showing program parameters

Overall dimensions of the unit:

- width: 42 in.
- depth: 27
- height: 24

Shipping weight is about 300 pounds.

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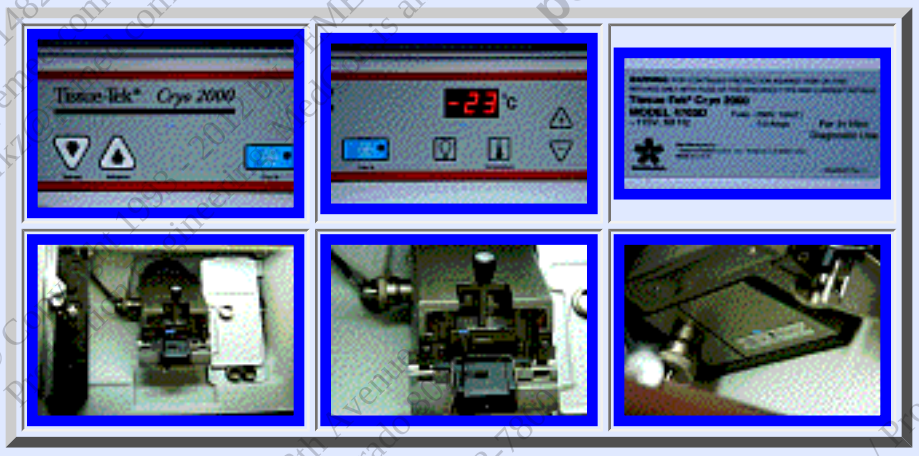
Cryo microtome - $4,750

List: $17,250. MedCon: EX. Tissue Tek model cryo 2000 cryo microtome. Has some cosmetic blemishes on case, however unit is in excellent condition. Used to quickly freeze and sliced thin sections of tissue samples for microscopic examination., for example in pathology and other studies. Make by Sakura Finetek USA.

Features:

- cooled Interior chamber
- separately cooled sample preparation stage (on left side of interior photo)
- digital display of chamber temperature and set temperature, degrees centigrade
- cutting mechanism in excellent condition, with three extra holders, as shown
- adjustable thickness of cut slice
- on castors
- power advance sample feed



Shipping weight is about 275 pounds.

Microtome and diamond blade inspection microscope - $1,475

List: $3,210. MedCon: N. measuring and inspection microscope, for inspecting microtome and Diamond knives. Made by vans instrument company, model V 500.

Features:

- portable, with carrying case and foam inserts, as shown
- adjustable height microscope head, monocular
- 2 objective lenses
- x-y stage with back illumination, micrometer controlled
- instruction manual
- carrying case with accessories
- knife holder for inspection

in

Shipping weight in case is about 25 pounds.

Ultramicrotome, with workstation - $8,000

List: $28,300. MedCon: EX. Reichert-Jung Ultramicrotome, with electronic control and inertial dampening workbench. Removed from operational electron microscopy lab.

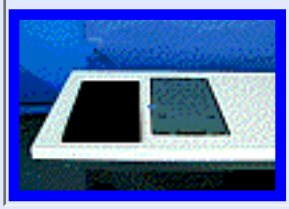
Full system includes:

- ultra cut model E ultramicrotome, made by Reichert-Jung
- inertial dampening workbench
- electronic cut controller

Features:

- precision ultramicrotome, rated for thin sections for electron microscopy
- binocular head
- inertial dampening workbench, with 200 pound cast-iron plate
- five storage drawers
- microscope specimen thickness range 0-0.5 microns
- ultra micro specimen thickness range, 0-0.13 microns
- adjustable cutting strokes speed
- built-in lighting
- dual axis goniometer
- specimen holder
- lateral, longitudinal and angle adjustments

A top-notch precision ultramicrotome for fine and very fine specimen work.

detail of inertial dampening workstation	
details of ultramicrotome	
detail of control	

Shipping weight is about 650 pounds overall. Disassembles into 4 main pieces for shipment.

Histology tissue slide stainer - $4,500 each

List: $20,025. MedCon: ex. Leica histology tissue slide stainer, model Jung histo stainer 1G. Also made by the Australian Biomedical Corporation, Melbourne.

Features:

- wired for 100 - 240 VAC, 49-63 hertz
- fully automated histology staining robot
- software version is 2.10
- unit new 10/93
-

The control menu of unit has the following selections:

1. process slides
2. clean instruments
3. edit programs
4. alter configuration
5. report
6. remote control

2 units in stock.

Automatic cryotome knife sharpener - $4,500 each

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List: $18,890. MedCon: ex. Shandon automatic knife sharpener, model Autosharp 5, for sharpening knives to a precision edge for tissue sectioning.

Features:

- automatic operation
- uses dual centerless grinding technique for uniform grinding action
- all digital controls
- adjustable facet angle
- adjustable grinding pressure
- includes two laps, 14 in., in good condition
- built in storage tray to hold laps when not in use
- Plexiglas dust cover
- on/off switch

The laps with this machine are set up for 6 micron (1200 grit) and 1 micron (14,000 grit) abrasive sizes respectively. A very precision instrument.

Shipping weight is about 150 lbs. each

2 units in stock.

Diamond knives - $1,300 each

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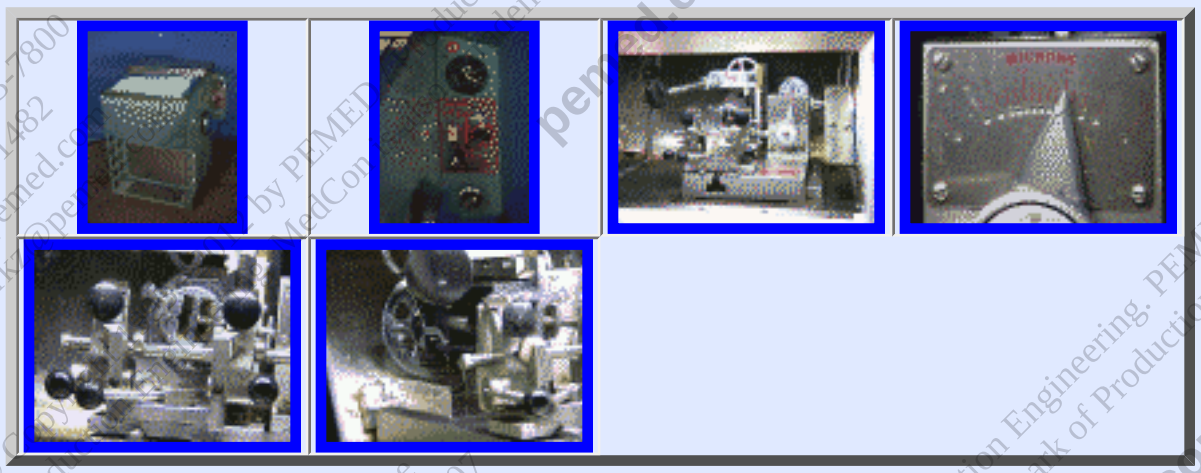
List: $3,100. MedCon: N. Diamond knives, made by DDK - Delaware Diamond knives. serial numbers 33336, and number 32166.

Used in preparation of very thin tissue samples prior to an electron microscope or high power optical microscopy study.

Shipping weight is about 3 lbs. each.

Lipshaw cryotome / rotary microtome - $1,700 each

List: $3,400. MedCon: VG. In very good operational condition despite age (about 1975), has crack in glass cover but still very usable. Lipshaw model 1900 frost free cryotome with a model 50-ABN rust proof rotary microtome. For slicing very thin sections (1 to 30 microns) for microscopy studies.



Cryotome features:

- temperature gauge
- master switch
- interior light
- automatic defrost control
- temperature control
- built in refrigerator
- sliding glass cover
- on castors

Units come with owners manual. 2 units in stock.

Slide stainer - $875

List: $8,700. MedCon: F. Histomatic slide stainer, Code-on series. In working condition, but needs a good preventive maintenance and lubrication.

- digitally controlled
- programmable

Shipping weight is about 250 pounds.

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